

10/B
1/29/03PATENT
172A 3003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MASAYUKI ISHIKAWA et al.

Serial No.: 09/679,984

Filed: October 5, 2000

For: PIEZOELECTRIC OSCILLATOR

Art Unit: 2817

Examiner: Arnold M. Kinkead

FAX RECEIVED

JAN 21 2003

AMENDMENT

TECHNOLOGY CENTER 2800

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated October 24, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claim 1 (amended) as follows:

1. (Twice Amended) A piezoelectric oscillator, wherein, in an oscillator including a piezoelectric resonator, an amplifier, and a variable-capacitance element, the variable-capacitance element is a MOS construction type capacitance element, one terminal of the MOS construction type capacitance element is applied with an alternating current voltage, whose intermediate voltage is a V voltage, and the other terminal of the MOS construction type capacitance element is applied with a control voltage within a range whose intermediate value is the V voltage and of a same polarity of the V voltage.

[Please amend claim 2 (amended) as follows:]

2. (Twice Amended) A piezoelectric oscillator, wherein, in an inverter piezoelectric oscillator in which a piezoelectric resonator is connected between an input terminal and an output terminal of an inverter amplifier; and divisional capacitors C1 and C2 are connected between respective ends of the piezoelectric resonator and the ground, and wherein by inserting a